



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Manus P. HENRY et al.                      Art Unit : 2863  
Serial No. : 09/815,275                                      Examiner : M. Nghiem  
Filed : March 23, 2001  
Title : PROCESS MONITORING AND CONTROL USING SELF-VALIDATING  
SENSORS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449.

This statement is being filed after a first Office action on the merits, but before receipt of a final Office action or a Notice of Allowance. A check for \$180 in payment of the late submission fee of §1.17(p) is enclosed. Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: \_\_\_\_\_

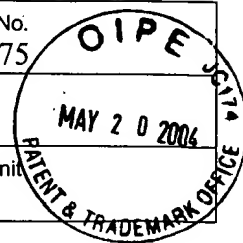
May 20, 2004

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 02052-104001	Application No. 09/815,275
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Manus P. HENRY et al.	
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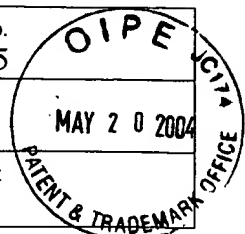
U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,586,066	12/17/96	White et al.			
	AB	6,047,220	04/04/00	Eryurek			
	AC						
	AD						
	AE						
	AF						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AG							
	AH							
	AI							
	AJ							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AK	G. Wood, UK Activities in Measurement Validation and Data Quality, (October 2000), Computing & Control Engineering Journal
	AL	M. Henry, Plant Asset Management Via Intelligent Sensors Digital, Distributed and For Free, October 2000, Computing & Control Engineering Journal
	AM	M. P. Henry, The Integration of Fault Detection Within Plant-Wide Data Quality Management. Vol. 2, 13-16, June (1994), IFAC-Safeprocess 94
	AN	U. Enste & F. Uecker, The Use of Supervisory Information in Process Control, (October 2000), IEE Computing & Control
	AO	J. C. Yang & D.W. Clarke, The Self-Validating Actuator, Vol. 7, pp. 249-260. (1999), Control Engineering Practice
	AP	J. K. Hackett & M. Shah, Multi-Sensor Fusion: A Perspective, (1990), IEEE
	AQ	R.C. Luo & M. G. Kay, A Tutorial on Multisensor Integration and Fusion, (1990), IEEE
	AR	M.P. Henry, "Self-Validating Sensor", Control Engineering Europe, pp. 32-39.
	AS	L. Mari & G. Zingales, Uncertainty in Measurement Science
	AT	M. Henry, Self-Validating Digital Coriolis Mass Flow Meter, (October 2000), Computing & Control Engineering Journal

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AU	S. J. Kline et al., "Describing Uncertainties in Single-Sample Experiments", Mechanical Engineering, pp. 3-8, 1853.
	AV	Paul M. Frank, "Fault Diagnosis in Dynamic Systems Using Analytical and Knowledge-based Redundancy – A Survey and Some New Results," Automatica, Vol. 26, no. 3, pp. 459-474, 1990.
	AW	R. J. Moffat, "Contributions to the Theory of Single-Sample Uncertainty Analysis", ASME Journal of Fluid Engineering, Vol. 104, pp. 250-260, 1982.
	AX	M. P. Henry et al., "The Self-Validating Sensor: Rationale, Definitions and Examples," Control Engineering Practice, Vol. 1, no. 4, pp. 585-610, 1993.
	AY	M. P. Henry, "A SEVA SENSOR – THE CORIOLIS MASS FLOW METER," IFAC Fault Detection, Supervision and Safety for Technical Processes, Vol. 2, pp. 429-434, 1994.

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